

MODEL D-104

Communications Microphone

THE ORIGINAL SUPER TALK POWER MICROPHONE

for Amateur and CB use

ASTATIC
MODEL
D-104

FEATURES

- Response balanced to accent human voice frequencies. This is called TALK POWER. See curve below.
- Shock proof cartridge with high impedance crystal element metal sealed against moisture and dryness.
- Fully machined brass parts and heavy mesh grille, all finished in bright, polished chrome.
- Relay and electronic switching accomplished by the use of Astatic "G" and "UG8 Stands. (See details on reverse side.)

SPECIFICATIONS

OUTPUT:

-46 db (ref: 1 volt per microbar).

LOAD:

5 megohms recommended. Lower resistance values decrease low frequency response.

SIZE:

Microphone diameter, 3"; depth, 1 1/8".

SHIPPING WEIGHT:

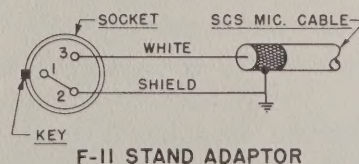
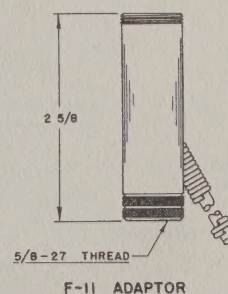
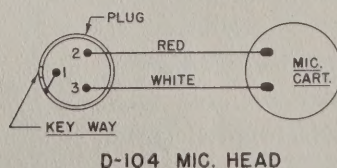
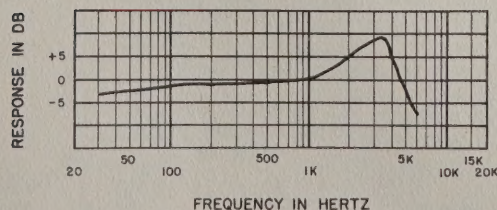
1 lb., 6 oz.

CABLE:

Model D-104 is supplied with F-11 adaptor which has 5 ft. of single conductor shielded cable. This adaptor fits any standard 5/8" - 27 thread floor or desk stand. The D-104 head detaches instantly from the F-11 adaptor for use with Astatic "G" or "UG8" Stands.

LIST PRICE:

\$31.00 (including F-11 Adaptor).



THE ASTATIC CORP.
CONNEAUT, OHIO • U.S.A.

MANUFACTURERS OF PHONOGRAPH CARTRIDGES • NEEDLES
• PICKUPS • MICROPHONES • RECORDING TAPE

PHONE 599-6916 AREA CODE 216

IN CANADA; Canadian Astatic Ltd., Toronto, Ontario — EXPORT SALES; Roburn Agencies Inc., 431 Greenwich St., N. Y. 13, N. Y., U.S.A.

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IN
U.S.A.

D-104 STAND MODELS

For Relay and Electronic Switching

MICROPHONE

See front side for complete specifications.

MODEL GD-104

MODEL UG8-D104

APPLICATION:

For relay systems.

For electronic or relay systems.

OPERATION:

Push or grip-to-talk, with clamp for lock-on operation.

Push or grip-to-talk, with clamp for lock-on operation.

CABLE:

5 1/2 ft., 2 conductor shielded

6 ft., 4 conductor, 1 pair shielded

SWITCH TYPE:

S.P.D.T. leaf type, fine silver contacts.

D.P.D.T. leaf type, fine silver contacts.

OVERALL SIZE:

5 1/2" dia. base, 12 5/8" high

5 1/2" dia. base, 12 5/8" high

SHIPPING WEIGHT:

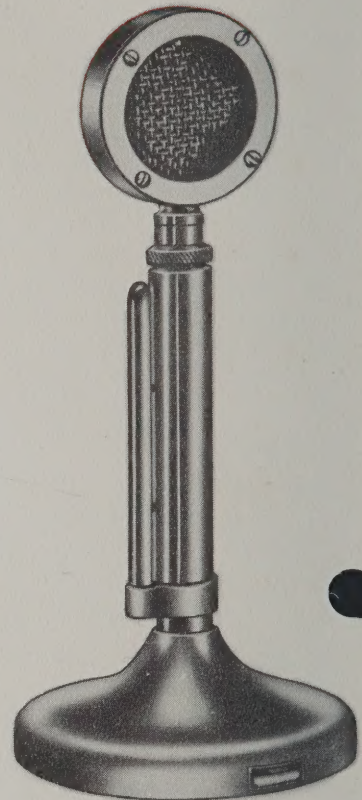
3 lbs.

3 lbs., 2 oz.

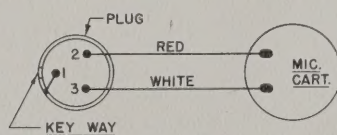
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\$51.20

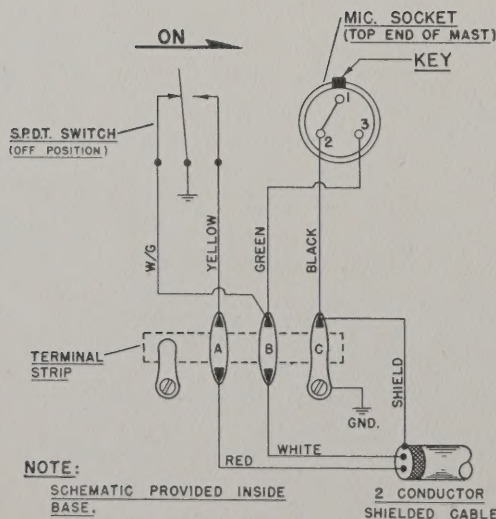
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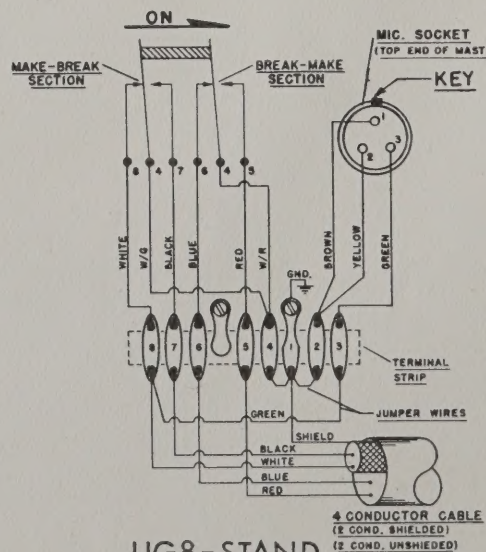
GD-104
UG8-D104



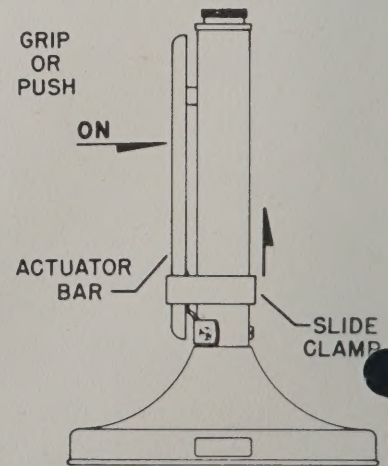
D-104 MIC. HEAD



G-STAND



UG8-STAND



G & UG8-STAND

UG8 MICROPHONE DESK STAND WIRING DATA SHEET

Typical UG8 Stand Microphone Cable Wiring To Plug and Jack Connectors

* For High Impedance Microphone Circuits
(Astatic Models: D-104, D-104C, 77L, 10C, 10D, T-3, DN-HZ)

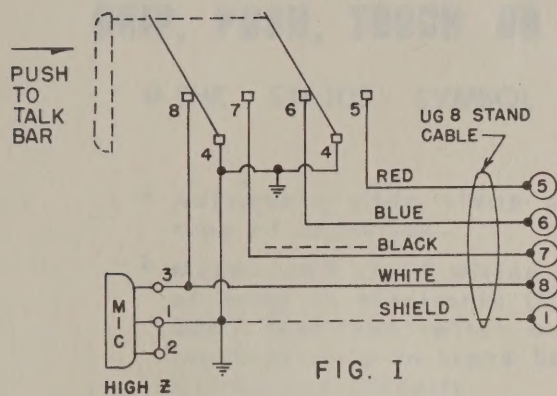
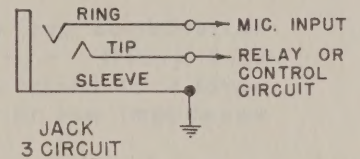
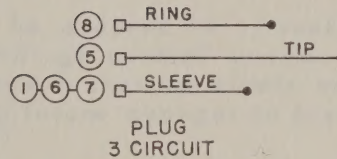
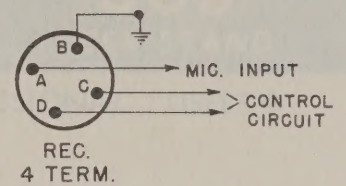
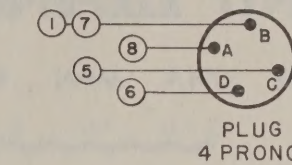


FIG. I

(Factory Wired)
Refer to diagram on base cover



NOTE: Numbers match those used for terminal wiring shown on base plate.

* For Low Impedance Microphone Circuits Series Switching - Single Control to Ground
(Astatic Models: DN-50, 77L)

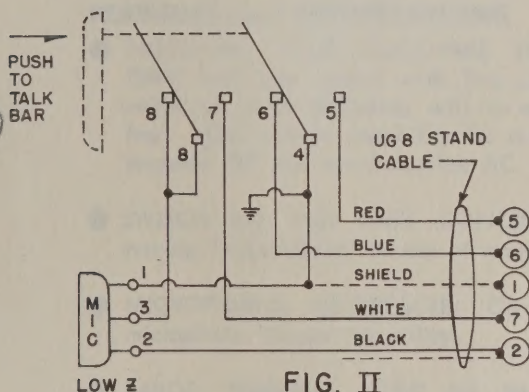
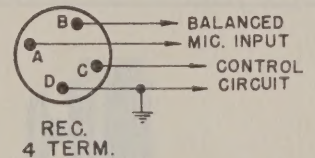
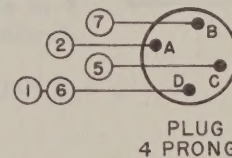


FIG. II

(Field Changed)
Refer to Fig. III for terminal strip wiring change



NOTE: Numbers match changed terminal wiring for Lo Z operation.

WIRING DATA

- * UG8 stand factory wired for HIGH impedance Astatic microphones, Fig. I.
- * For LOW impedance (Balanced Line) use BLACK and WHITE conductors, Fig. II.
- * To Change Wiring simply remove three screws on base plate. Note large terminal strip for easy circuit changes. See Fig. III, example for low Z change.
- * Wire Color Code - WHITE or BLACK for microphone circuits. RED or BLUE for relay or electronic circuit switching. SHIELD for common ground.

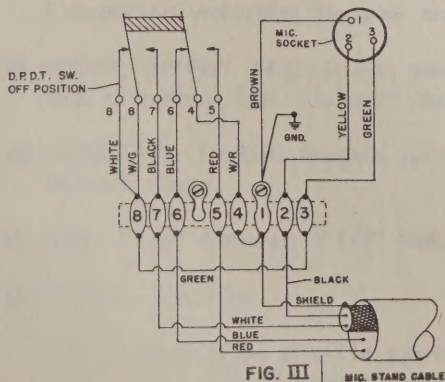


FIG. III



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44030

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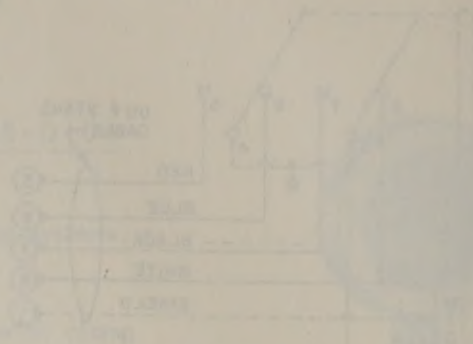
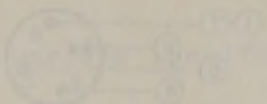
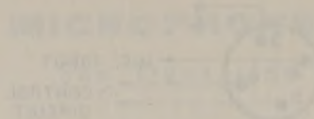
PHONE 599-6916 AREA CODE 216

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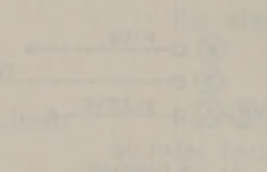
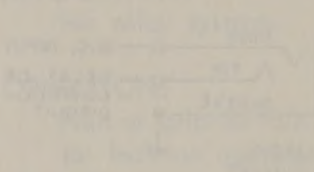
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WIRING DATA



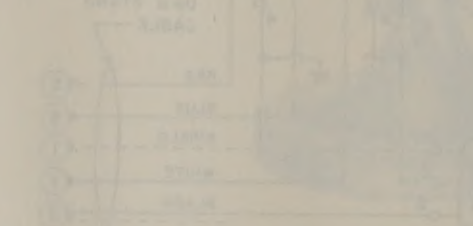
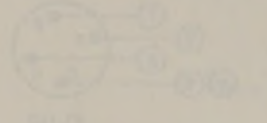
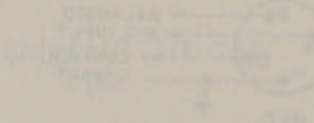
WIRING DATA



NOTE: The diagram on the opposite page shows the internal wiring of the Astatic microphone.

For more information on the Astatic microphone, please refer to the Astatic microphone data sheet.

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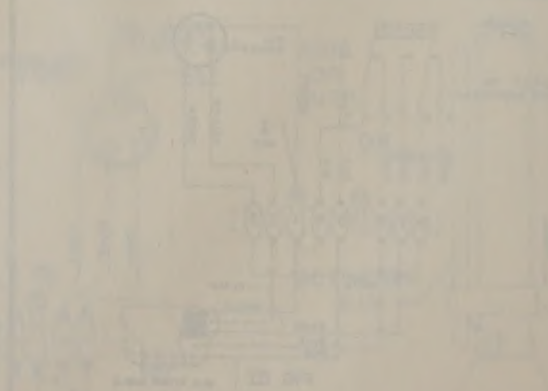


NOTE: The diagram on the opposite page shows the internal wiring of the Astatic microphone.

For more information on the Astatic microphone, please refer to the Astatic microphone data sheet.

WIRING DATA

For more information on the Astatic microphone, please refer to the Astatic microphone data sheet.



MICROPHONE DESK STAND

Model UG8

GRIP, PUSH, TOUCH OR LOCK ON-TO-TALK TYPE

ASTATIC

MODEL

UG8

DESK STAND

- THE STATUS SYMBOL FOR C.B., HAM AND PROFESSIONAL USERS •

VERSATILE IN USE

- * Adjustable slide clamp provides easy control of switch tension for desired type of operation.
- * Model UG8 stand wiring can easily be adapted to virtually any combination of relay or electronic (Circuit switching) control system. - - Heavy duty DPDT leaf type switch and microphone socket terminals are wired to a large terminal strip in stand base for easy future changes to high or low impedance microphone circuits.

VERSATILE IN APPLICATION

- * Plug-in socket on the top end of mast stem offers quick interchange use of Astatic's "Plug-In" line of base station and P.A. microphones.
- * Adapts instantly to any of Astatic's eight "Plug-In" microphones - -

FEATURES and SPECIFICATIONS

- NOISE-FREE AND CLICK-FREE SWITCHING: Uses heavy duty DPDT leaf type switch with fine silver contacts. Low contact resistance of 20 milliohms; will not oxidize and requires no cleaning. High current capability for relay operation allows up to 3 amperes DC and non-inductive AC loads with complete safety*.
- SWITCH BAR FOR EASY CONTROL: Can be locked "ON" by moving "slide clamp" to top of stand.
- MICROPHONE RECEPTACLE: On top of stem, offers instant microphone change versatility.
- LARGE TERMINAL STRIP IN BASE: Has 8 terminations for complete flexibility in hookup of various circuit requirements. Easily changed for Hi or Lo Z microphone use.
- LONG INTEGRAL CABLE: 6' four conductor, vinyl jacketed cable, with 2 conductors shielded for the microphone circuit and 2 conductors unshielded for relay and electronic switching.
- HEAVY, TIP-FREE BASE: Sturdy, die-cast zinc construction protects microphone from "tip-over" damage.
- ATTRACTIVE FINISH: Durable polished chrome mast with gray Hammerlin base.
- SIZE: 5 1/2" diameter; 8 1/4" high.
- WEIGHT: 1 3/4 lbs.

* Caution Note: Care should be exercised in exciting relays with AC because of induced hum fields.

TYPES	MODELS
* CRYSTAL	D-104 or T-3
* CERAMIC	D-104C or 10C
* DYNAMIC	10D, DN-HZ or DN-50 (LO-Z)
* DYNAMIC CARDIOID	77L (HI-MED-LO Z Switch)



LIST PRICE
\$29.95



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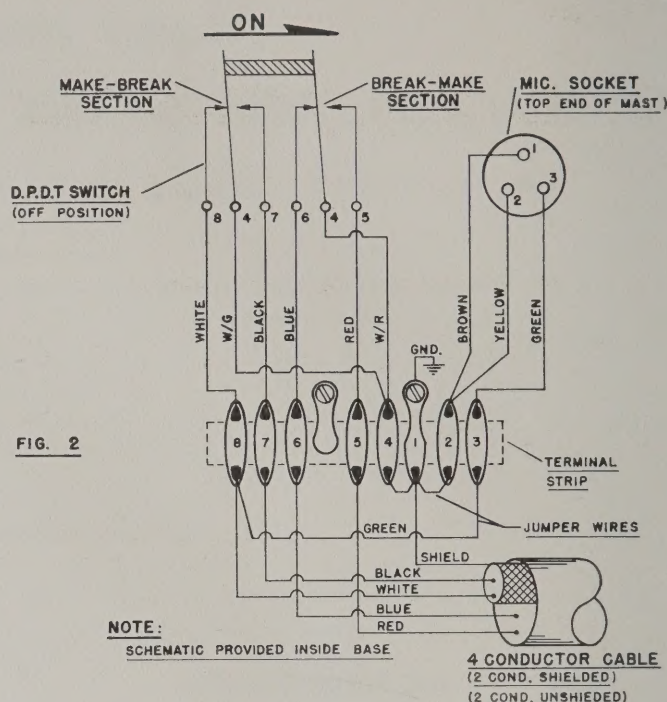
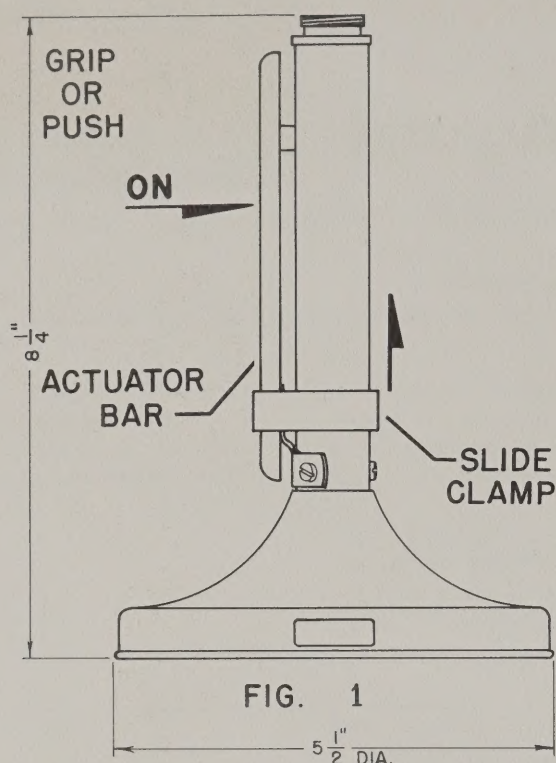
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See other side

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ASTATIC specifications:

Model UG8



SWITCH OPERATION & WIRING INSTRUCTIONS

OPERATION

Grip, push or touch actuator bar in direction as noted in Fig. 1.
For desired sensitive touch control - move slide clamp up in short steps to desired tension.
For continuous or VOX operation - push slide clamp up to top.

WIRING

UG8 stand factory wired for high impedance Astatic microphones.
For LOW impedance (Balanced Line) use BLACK and WHITE conductors.
To change wiring simply remove three screws on base plate. Note large terminal strip for easy circuit changes. See Fig. 2.
Wire Color Code - WHITE or BLACK for microphone circuits. RED or BLUE for relay or electronic circuit switching. SHIELD for common ground.

ENGINEERS and ARCHITECTS' SPECIFICATIONS for the Model UG8 Stand

The microphone stand shall be designed for both electrical and mechanical heavy duty use. The stand shall be of all metal construction for maximum electrostatic shielding. The base of the stand shall be of die-cast zinc for mechanical stability. The base bottom plate shall be felt covered to provide a mar-proof resting surface. The mast shall be chrome plated to provide a durable finish.

The stand shall contain a DPDT switch. One section shall provide a make-before-break sequence, the other section a break-before-make sequence. The switch shall be of leaf type construction with fine silver contacts and have a rated life of 100,000 operations minimum. Contact resistance shall be 20 milliohms for low-noise, dry circuit operation as well as ability to handle 3 amperes dc or non-inductive ac loads.

The switch shall be operated by means of a chrome plated bar type actuator which shall provide a choice of either momentary action or "lock-on" operation by means of a slide clamp.

All microphone and switch wiring shall be contained within the stand. A three contact female receptacle with a 13/16 x 27 thread shall be provided at the upper end of the mast for mechanical and electrical connection of the microphone. A terminal strip with 8 terminations shall be provided in the base of the stand for wiring flexibility in connecting the internal wiring to the external cable of the stand.

A 6' vinyl jacketed, four conductor (two shielded, two unshielded) cable shall be furnished wired to the stand, for connection of the stand to associated equipment. The stand shall be the Astatic Model UG8.

M66B 1
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Improved

MODEL 10-DA

Single Sideband Microphone

ASTATIC
MODEL
10-DA

ONLY MICROPHONE ENGINEERED FOR MODERN SSB EQUIPMENT

FEATURES

- High impedance microphone with frequency response ideal for use with SSB circuitry.
- All metal construction, bright, polished chrome finish. Head tilts up to 90° with adjustable tension.
- VOX operation, relay, or electronic switching accomplished by the use of Astatic "UG8" Stands. (See details on reverse side)

SPECIFICATIONS

OPEN CIRCUIT OUTPUT LEVEL AT 1000 Hz:

-52 dB (ref: 1 volt per microbar).

CARTRIDGE:

Dynamic cartridge with rugged polyester diaphragm, impervious to heat, humidity, and normal abuse.

RECOMMENDED LOAD:

100 kohms, minimum.

RESPONSE:

300-3000 Hz. See curve.

SHIPPING WEIGHT:

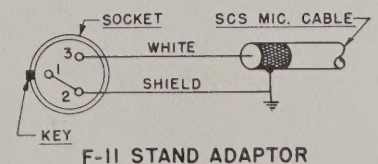
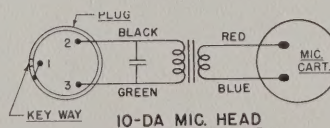
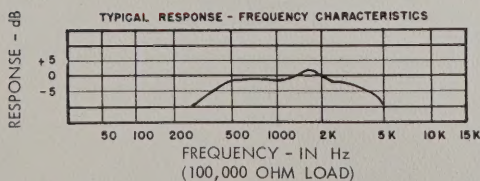
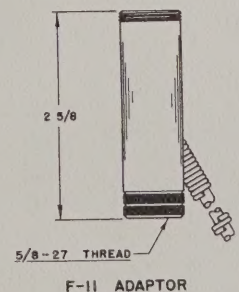
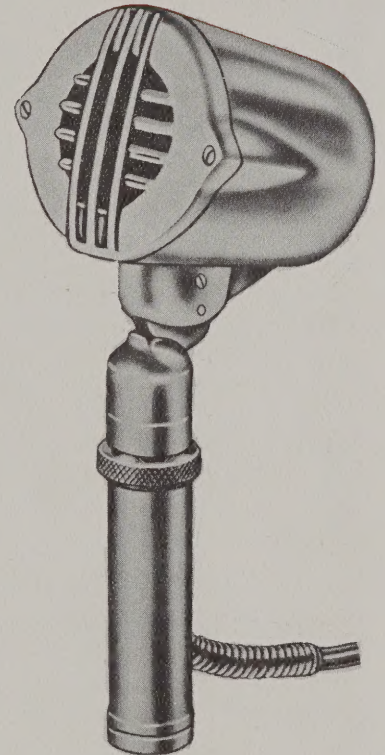
1 lb., 12 oz.

CABLE:

Model 10-DA is supplied with F-11 adaptor (shown in illustration) which has 5 ft. of single conductor shielded cable. This adaptor fits any standard 5/8" - 27 thread floor or desk stand. The 10-DA head detaches instantly from the F-11 adaptor for use with Astatic UG8 Stand.

PRICE:

\$39.70 (including F-11 adaptor).



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MODEL UG8-10DA

DESK STAND MODEL OF THE 10-DA MICROPHONE

SPECIFICATIONS

MICROPHONE

See front side for complete specifications

APPLICATION:

For electronic or relay switching systems. Especially recommended for VOX operation.

OPERATION:

Push or grip-to-talk, with slide clamp for lock-on operation.

CABLE:

6' vinyl jacketed, four conductor (1 pair shielded) cable furnished wired to the stand.

SWITCH TYPE:

D.P.D.T. leaf type. Self cleaning, fine silver contacts.

OVERALL SIZE:

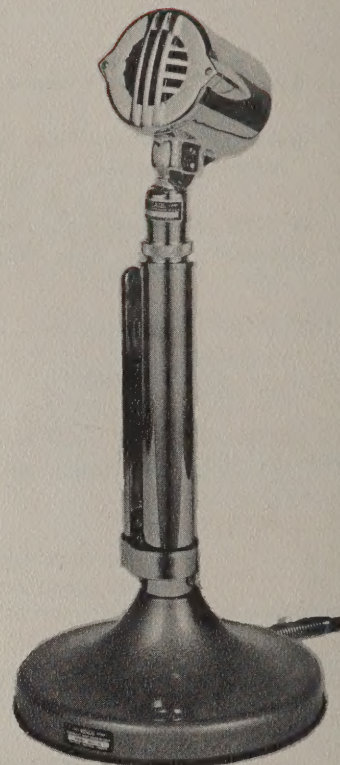
12 5/8" high; base diameter, 5 1/2"

SHIPPING WEIGHT:

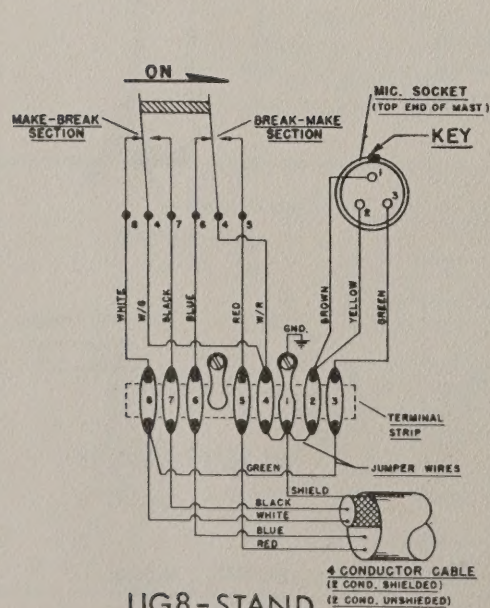
3 lbs., 2 oz.

LIST PRICE:

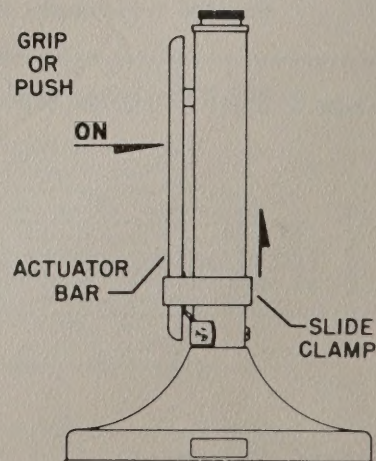
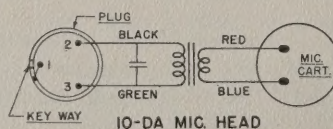
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UG8-10DA



UG8-STAND



UG8-STAND